SHIROKCV, A.P., kand.tekhn.nauk; FUROCHKIN, A.A.

Introduction of roof bolting in the mines of the Kuznetsk Easin.
Biul.tekhrekon.inform.Gos.nauch.-issl.inst.nauch.i tekh.inform
17 no.11:24-26 N *64. (MIRA 18:3)

KOVACUEATE, i.M., prof.; SERESKOV, A.P., kand. tekhn. nauk
institut manless coal mining technology. Bezop. truda v prom. 7
no.12:z1-22 D *63. (MIRA 18:7)

SEMENUKIV, Madimir Nikolayevich, prof., doktor tekhn. nauk;
VOLEHSKIY, Wladlen Mikhaylovich, gornyy inzh.;
TH.GFEYEV, Gleg Wladimirovich, dots., kand. tekhn. nauk;
SHIRGKOV, Anatolly Pavlovich, kand. tekhn. nauk;
PRAVCHENKO, Grigoriy Ivanovich, kand. tekhn. nauk;
GHUKAN, Boris Karpovich, kand. tekhn. nauk; ETINGOV,
Semen Isayevich, gornyy inzh.; NESTERENKO, G.T., kand.
tekhn. nauk, retsenzent

[Red bolting] Shtangovaia krep'. Moskva, Nedra, 1965.
327 p.

1. Zeveduyush miy kafedroy Leningradskogo gornogo instituta im. G.V.Plekhanova (for Semevskiy). 2. Leningradskiy gornyy institut im. G.V.Plekhanova (for Volzhskiy, Timofeyev).

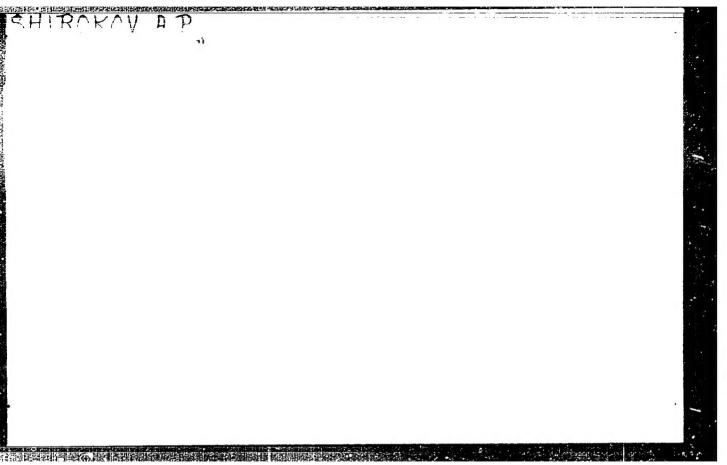
3. Kuznetskiy nauchno-issledovatel'skiy ugol'nyy institut (for Shiroko.).

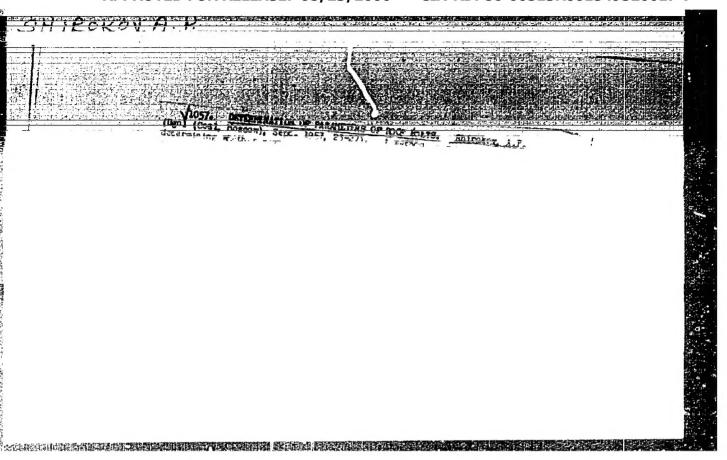
VOL'KENAU, A.V., kandidat tekhnicheskikh nauk; SHIROKOV, A.P., gornyy inzhener

Testing anchorage supports in the Kusnetsk Basin. Ugol' 30 no.9:18-25 S'55. (MLRA 8:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy ugol'nyy institut (Kuznetsk Basin--Mine timbering)

STRUCTOR, i.i., Send Toch Sci-(dier) "Study of the Sendent of the rocks of the rocks of the rocks of the send structure of the send structure of the send structure of the rocks by cachering." Los, 1957. 16 pp; 1 the stoff tellos (Scin Meninistration of Sci Res and roject (remainstration of Sci Res and roject (remainstration of Sci Res Scotl Inst), 130 cories (17,22-5°,110)





SINAYSKIY, V.P., inzh.; SHIROKOV, A.P., inzh.

Using anchor bolts in mines of the Kuznetsk Bosin. Bezop.truda v (MIRA 10:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy ugol'nyy institut. (Kuznetsk Basin--Mine timbering)

ZAPREYEV, S., inshener; SHIROKOV, A., inshener.

Vooden anchored timbering. Mast. ugl. 6 no.7:8 Jl '57. (MLBA 10:9)
(Mins timbering)

SHIRCLOV, A.P., gornyy inchemer.

Fethal rod supports in open circles mining. Gor.zmur. no.9:29-36 (MIRA 10:9)

S '57. (Mine timbering) (Strip mining)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549520017-7"

YAKOVLEV, N.I.; SHIROKOV, A.P.; ZAPRETEV, S.I.

Industrial use of wooden anchor timbering. Ugol' 32 no.4: 37-38 Ap '57. (MLRA 10:5)

1. Shakhta "Tyrganskiye uklomy." (for Yakovlev) 2. Vostochmyy uglekhimicheskiy institut. (for Shirokov).

(Kusmetsk Basin---Mime timbering)

SHIROKOV, A.P., gornyy inzh.

Determining the parameters of anchored timbering. Ugol' 32 no.9:23-27 S '57. (MIRA 10:10)

1. Vesoyuznyy nauchno-issledovatel'skiy ugol'nyy institut.
(Mine timbering)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549520017-7"

SHIROKOV, A.P., kand.tekhn.nauk; TOMASHEVSKIY, L.P., inzh.

Preventing endogenous fires in Kuznetsk Basin mines. Bezop.
truda v prom. 3 no.10:3-5 0 *59. (MIRA 13:2)

(Euznetsk Basin--Mine fires)



APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549520017-7"

28(1)

SOV/118-59-4-24/25

AUTHORS:

Shirokov, A.P. and Fayner, I.A., Engineers

TITLE:

The Mechanized Installation of Tie Beam Supports

PERIODICAL:

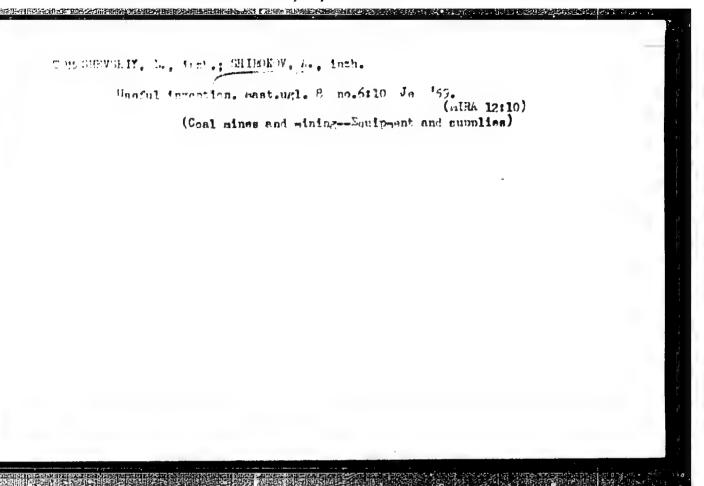
Mekhanizatsiya i avtomatizatsiya proizvodstva, 1959,

Nr 4, pp 62-63 (USSR)

ABSTRACT:

The article deals with American, Canadian and French methods of mechanically installing beam supports in mines. There are 3 photographs.

Card 1/1



TOMASHEVSKIY, L., inch.; SHIROKOV, A., inch.

Silting stoped out areas, mast.ugl. 8 no.6:10 Je '59.

(MIRA 12:10)

(MIRA 12:10)

SHIROKOV. A.P., kand.tekhn.nauk

Using bars in lining tunnels. Transp.stroi. 9 no.9854-55

(MIRA 13:2)

(Tunneling)

Shirokov, A.P.

Anchor bolting of tunnels and mines. Put' i put.khoz. no.12:14-15 D '59. (MIRA 13:4)

1. Nachal'nik laboratorii Kuznetskogo nauchno-issledovatel'skogo ugol'nogo instituta, g.Prokop'vevsk.

(Mine timbering) (Tunnels)

YAKOVLEV, N.I.; SHIROKOV, A.P., kand.tekhn, nauk; ZAPHEYEV, S.I.

Using rod supports for auxiliary purposes. Ugol 34 no.4:24-25

Using rod supports for auxiliary purposes. Ugol. 34 no.4:24-25 Ap. 159. (MIR: 12:7)

1. Nachal'nik shakhty "Tyrganskiye uklony" Kuzbass (for Yakovlev).
2. Nachal'nik laboratorii Kuznetskogo nauchno-issledovatel'skogo ugol'nogo instituta (for Zapreyev).

(Coal mines and mining--Equipment and supplies)

(Hine roof bolting)

SHIROKOV, A., kand. tekhn. nauk; MAKSIMENKO, F.; SAMETS, M.; GAVRILENKO, A.

Mining steep coal seams without stope timbering in Kusnetsk Basin mines. Ugol' 34 no.8:55-59 Ag '59. (MIRA 12:12)

1.Kuznetskiy nauchno-issledovatel'skiy ugol'nyy institut (for Shi-rokov, Samets). 2.Glavnyy inzhener shakhty "Krasnyy Uglekop", Kuzbass (for Maksimenko). 3.Zamestitel' glavnogo inzhenera shakhty "Krasnyy Uglekop," Kuzbass (for Gavrilenko).

(Mining engineering)

KOVACHEVICH, P.M.; POYDA, A.G.; SHIROKOV, A.P.; FAYNER, I.A.; BALIBALOV, I., red.; RUDINA, G., tekhn. red.

[Rod bolting in the coal industry] Ankernaia krep' v ugol'noi promyshlemnosti. Kemerovo, Kemerovskoe knizhnoe izd-vo, 1960. 185 p. (MIRA 14:7)

(Mine timbering)

KOROVIN, T.D.; TOMASHEVSKIY, L.P., inzh.; SHIROKOV, A.P., inzh.

Eliminate causes for accidents in mining steep beds in the Kuznetsk Basin. Bezop.truda v pros. 4 no.10:3-5 0 160.

(MIRA 13:11)

1. Glavnyy inzhener tresta Stalinugol' (for Korovin). 2. Shakhta No.3-3bis, Kuznetskiy ugol'nyy basseyn (for Tomashevskiy).
3. Kuznetskiy nauchno-issledovateliskiy ugol'nyy institut (for Shirokov).

(Kuznetsk Basin—Coal mines and mining—Safety measures)

SHIROKOV, A.P., kand.tekhn.nauk; TOMASHEVSKIY, L.P., gornyy inzh.

Using anchor bolting for various auxiliary purposes. Ugol' Ukr. 4
no.10:31-32 0 '60.

(Coal mines and mining—Equipment and supplies)

SHIROKOV, A., kand.tekhn.nauk; SAMCTS, M., inzh.

Mechanized working of steep beds in stopes. Bezop.truda v prom. 4 no.11:8-9 N *60. (MIRA 13:11)

1. Kuznetskiy nauchno-issledovatel'skiy ugol'nyy institut.
(Kuznetsk Basin--Coal mines and mining)

SHIROKOV, Anatoliy Pavlovich; SAMETS, Mikhail Grigor yevich; ZHUKOV, V.V., otv. red.; SMIRENSKII, M.M., red. izd-va; IL'INSKAYA, G.M., tekhn. red.

[Working coal seams without bracing up the area near the cut] Razrabotka ugol'nykh plastov bez krepleniia prizaboinogo prostranstva.

Moskva, Gos. nauchno-tekhm. izd-vo lit-ry po gornomu delu, 1961.

169 p.

(Coal mines and mining)

Deficient and the continuous of the continuous o

KOROVIN, T.D.; SHIROKOV, A.P., kand.tekhn.nauk; TOMASHEVSKIY, L.P., gornyy inshener

Characteristics of stope ventilation in mining steep seams by the longwall on the strike method. Ugol' 35 no.9:24-26 S '60.

(MIRA 13:10)

1. Glavnyy inzh.tresta Stalinugol' (for Korovin). 2. Kuznetskiy nauchno-issledovatel'skiy ugol'nyy institut (for Shirokov).

3. Shakhta No.3-3-bis Prokop'yevsko-Kiselevskogo rayona Kuznetskogo basseyna (for Tomashevskiy).

(Mine ventilation)

SHIROKOV, A. P., kand. tekhn. nauk

Means of mechanization in anchor bolting. Ugol' Ukr. 4 no.12:40-41 D '60. (MIRA 13:12) (Mine roof bolting-Equipment and supplies)

SHIROKOV, A.P., kand.tekhn.nauk

Mechanization of rod bolting work. Gor. zhur. no.4:39-41 Ap '61. (MIRA 14:4)

1. Kuznetskiy nauchno-issledovatel'skiy ugol'nyy institut, Prokop'yevsk.

(Mine roof bolting-Equipment and supplies)

KCKCPIN, P.I., prof.; SHIROKOV, A.P., kand.tekhn.nauk; KORCVIN, T.D., inch.

Mining coal in steeply pitching seams without men in the stope. Izv. vys. ucheb. zav.; gor. zhur. no.8:15-21 161.

(MIRA 15:5)

1. Kemerovskiy gornyy institut. Rekomendovana kafedroy razrabotki mestorozhdeniy poleznykh iskopayemykh. Kemerovskogo gornogo instituta.

(Kuznetsk Basin--Coal mines and mining)

SHIROKOV, A.P., kand.tekhn.nauk

Mining coal without men in the stope. Sbor. KuzNIUI no.9:4-19
161. (MIRA 16:5)

。 11.11.15.21.15.71.15.71.15.11.18.18.16.25.25.41.18.25.20.18.25.21.19.44.18.10.10.25.25.10.16.5.25.25.25.25.25.

'61. (Kuznetsk Basin-Coal mines and mining) (Automation)

SHIROKOV, A.P., kand.tokhn.nauk

Chain saws for coal drawing. Biul.tekh.-ekon.inform. no.10:15-16
(MIRA 14:10)

(Coal mining machinery)

SRIROKOV, A.P., kand.tekhn.nauk

Working steep layers without supporting the working face. Izv. vys. ucheb. zav.; gor. zhur. no.11:18-23 61. (MIRA 15:1)

 Kuznetskiy nauchno-issledovatel*skiy ugol*nyy institut. (Kuznetsk Basin--Coal mines and mining)

SHIROKOV, A.F., kand.tekhn.nauk; KOROVIN, T.D., inzh.

Methane and dust explosions in mines should be prevented. Bezop.

truda v prom. 5 no. 5:1-3 My '61.

(MIRA 14:5)

(Mine explosions)

SHIROKOV, A., kand.tekhn.nauk

Extraction of coal without men in the Kuznetsk Basin.
Sov.shakht. 10 no.3:19-21 Mr '61. (MIRA 14:7)

1. Nachal'nik gornogo otdela Kuznetskogo nauchno-issledovatel'skogo ugol'nogo instituta.

(Kuznetsk Basin--Coal mines and mining)

(Automation)

SHIROKOV, A.P., kand.tekhn.nauk; KUZ'MIN, G.P., inzh.; KOSTYREV,
A.P., inzh.

Using chain saws in mechanical coal mining. Mekh.i avtcm.
proizv. 15 no.8:37-38 Ag '61.
(Coal mining machinery)

SHIROKOV, A.P., kand. tekhn. nauk

Mining of steeply dipping seams in Kuznetsk Basin mines without the presence of miners. Ugol' 36 no.5:23-26 My '61. (MIRA 14:5)

1. Kuznetskiy nauchno-issledovatel'skiy ugol'nyy institut.
(Kuznetsk Basin--Coal mines and mining--Equipment and supplies)
(Masting)

SHIROKOV, A.P., kand.tekhn.nauk

Automatic drive for mining coal without men. Izv. vys. ucheb. zav.; gor. zhur. 5 no.1:138-143 '62. (MIRA 15:4)

1. Kuznetskiy nauchno-issledovatel'skiy ugol'nyy institut. Rekomendovana Kuznetskim mauchno-issledovatel'skim ugol'nym institutom.

(Coal mining machinery Electric driving) (Automatic control)

SHIROKOV, A.P., kand.tokhn.nauk; KUZ'MIN, G.P., inzh.

Using red bolting for securing machinery in mines. Shakht. stroi. 6 no.1:24-25 Ja 162. (MIRA 14:12)

1. Kuznetskiy nauchno-issledovatel'skiy ugol'nyy institut (for Shirokov). 2. Trest Kiselevskugol' (for Kuz'min). (Coal mining machinery)

SHIROKOV, A.P., kand.tokhn.nauk

Use of wooden rod bolting in the Kuznetsk Basin. Shakht.
stroi. 6 no.7:23-24 Jl '62. (MIRA 15:7)

1. Kuznetskiy nauchno-issledovatel'skiy ugol'nyy institut.
(Kuznetsk Basin--Mine roof bolting)

KOTAKHOV, V.; KUZ'MIN, G.; SHIROKOV, A.

New use of rod bolting. Sov. shakht. 11 no.3:19 Mr '62, (MIRA 15:5)

(Kuznetsk Basin--Coal mining machinery) (Mine roof bolting)

SHIROKOV, A.P., kand.tekhn.nauk

"Research on methods of unmanned coal mining in foreign countries." by I.A.Babokin, G.G.Suetin. Reviewed by A.P.Skirokov. Ugol: 37 no.11:61-62 N '62. (MIRA 15:30)

1. Kuznetskiy nauchno-issledovatel skiy ugol nyy institut. (Mining research) (Babokin, I.A.) (Suetin, G.G.)

然是中华大学的**用作大学中的**种种的现在分词的现在分词未完全的思想是这些是是一种的一种,但是一种的一种,但是一种的一种,但是一种的一种,但是一种的一种,这个人们的

SHIROMOV, A.P., kand.tekhn.nauk

Shattering of coal in mining using borehole charges in Kuznetsk Basin mines, Vzryv. delo no.50/7:176-184 (MIRA 15:9)

 Kuznetskiy nauchno-issledovatel'skiy ugol'nyy institut. (Kuznetsk Busin—Coal mines and mining) (Blasting)

KOVACHEFICH, Petr Markovich; FAYNER, Il'ya Abramovich; SHIROKOV,
Anatoliy Pavlovich; MALIBALOV, I., red.; GERASEVICH, Z.,
tekhn. red.

[Handbook for the young miner] Spravochnik molodogo shakhtera. Kemerovo, Kemerovskoe knizhnoe izd-vo, 1962. 365 p.
(MIRA 16:10)

(Coal mines and mining)

SHIROKOV, Anatoliy Pavlovich; SUMIN, Ivan Petrovich; KUZ'MIN, Gennadiy Petrovich; MINDELI, E.O., doktor tekhn. nauk, retsenzent; DZHIMSHELEYSHVILI, St.P., otv. red.; SMIRENSKIY, M.M., red.izd-va; LOMILINA, L.N., tekhn.red.

[Manless extraction of coal in Kuznetsk Basin mines] Primenenie bezliudnoi vyemki uglia na shakhtakh Kuzbassa.
Moskva, Gosgortekhizdat, 1963. 174 p. (MIRA 17:1)

SHIROKOV, A.P., kand.tekhn.nauk; KOSTAREV, A.P., inzh.; KOTYAKHOV, V.I., inzh.

Use of coal saws in Kuznetsk Basin mines. Bezop.truda v prom. 7 no.3:71-72 Mr '63. (MIRA 16:3)

1. Kuznetskiy nauchno-issledovatel'skiy ugol'nyy institut (for Shirokov). 2. Kombinat ugol'nykh predpriyatiy Kuznetskogo kamennougol'nogo basseyna (for Kostarev). 3. Shakhta im. Vakhrusheva, Kuzbass (for Kotyakhov).

(Kuznetsk Basin--Coal mining machinery)

SHIROKOV, A.P., kand. tekhm. nauk

Using rods for various purposes in the Kuznetsk Basin. Shakht. stroi. 7 no.11:28 Nº63 (MIRA 17:7)

1. Kuznetskiy nauchno-issledovatel*skiy ugol*nyy institut.

SHIROKOV A.B., kand. tekhn. nauk; SUMIN, I.P., inzh.

Recent developments in blasting in Kuznetsk Basin mines. Vzryv. delo no.51/8:346-360 '63. (MIRA 16:6)

1. Kuznetskiy nauchno-issledovatel'skiy ugol'nyy institut (for Shirokov). 2. Proizvodstvenno-eksperimental'noye upravleniye vzryvnykh rabot kombinata Kuzbassugol' (for Sumin).

(Kuznetsk Basin-Coal mines and mining)

(Blasting) (Boring)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549520017-7"

ROT: V.O., IMPTRY, B.L.; SHIBOROV, A.I.; SHULIKOUSKIY, V.J.

Aleksandr Petrovich Morden, 1904, on his 60th cirthday. Usp.
mat. nauk 19 no.5:171-179 S-0 '64.

SHIRCKOV, A.P., kand. tekhn. nauk; KUZ'MIN, G,P.; STEFANOV, Yo.A.: LIDER, V.A. Industrial testing of the automatic drive of a coal saw.

(MIRA 18:4) Ugol' 40 no.1:46-48 Ja '65.

1. Kuznetskiy nauchno-issledovatel skiy ugol nyy institut (for Shirokov, Stepanov, Lider). 2. Trest Kiselevskugol (for Kuz'min).

CIA-RDP86-00513R001549520017-7" APPROVED FOR RELEASE: 08/23/2000

DMITRIYEV, S.I.; SHIROKOV, A.P.

Mining thick, steeply pitching seams at the Kuznetsk Basin mines. Fiz.-tekh. probl. razrab. pol. iskop. no.4:85-92 '65. (MIRA 19:1)

1. Kuznetskiy nauchno-issledovatel'skiy ugol'nyy institut, Prokop'yevsk. Submitted Jan. 21, 1965.

KONOPLYANTSEV, A.A., redaktor; KRASULIN, V.S., redaktor; SHIROKOV, A.S., redaktor; KOLOSKOVA, M.I., redaktor izdatel stva; GUROVA, O.A., tekhnicheskiy redaktor

[Experience in using geophysical methods of prospecting in hydrogeological, engineering and geological research] Opyt primeneniia geofizicheskikh metodov razvedki i gidrogeologicheskikh i inzhenernogeologicheskikh issledovaniyakh. Pod red. A.A.Konopliantseva, V.S. Krasulina i A.S.Shirokova. Hoskva, Gos. nauchno-tekhn, izd-vo lit-ry po geol. i okhrane nedr, 1955. 74 p. (MIRA 98)

1. Russia (1923- U.S.S.R.) Ministerstvo geologii i okhrany nedr.
Tekhnicheskiy sovet.
(Prospecting--Geophysical methods)

SOV-132-58-9-14/18

AUTHORS:

Shirokov, A.S.; Kupalov Yaropolk, I.K., and Komarov, I.S.

TITLE;

The XXII Congress of the German Geophysical Society (XXII

S"yezd Germanskogo geofizicheskogo obshchestva)

PERIODICAL:

Razvedka i okhrana nedr, 1958, Nr 9, pp 52-54 (USSR)

ABSTRACT:

The above mentioned conference took place in Leipzig in May 1958. The authors, who represented the USSR, give a report

on the activities of the conference.

ABBOCIATIONS: 1) Ministerstvo geologii i okhrany nedr SSSR (Ministry of Geology and Conservation of Mineral Resources of the USSR)

2) Gosplan SSSR (Gosplan of the USSR) 3) VNII-geofizika (VNII - Geophysics).

1. Geophysics--Germany

Card 1/1

CIA-RDP86-00513R001549520017-7" APPROVED FOR RELEASE: 08/23/2000

30V/132-59-3-15/15

AUTHORS:

Shirokov, A.S., and Bordanov, A.Sh.

TITLE:

Chronicle. Aerial Electromagnetic Prospecting in the USSR.

PERIODICAL:

Razvedka i okhrana nedr, 1959, Nr 3, pp 62-64, (USSR)

ABSTRACT:

The article describes three different methods of electromagnetic prospecting - the method of registering the resistance emitted from an aircraft aerial, the induction method, and the b.d.k.-method which constitutes the article's main topic. It is done by the aerial recording of an electromagnetic field created by a grounded cable, the b.d.k. (for beskonechno dlinnyy kabel' - endless cable). In 1955, the Ministry of Geology and Mineral Resources Conservation of the USSR) having realized the high importance of the aerial electromagnetic prospecting, ordered the development of this method by establishing the Mezhduvedomstvennaya komissiya po deroelektrorazvedke (Inter-Departmental Committee for Aerial Electromagnetic Prospecting). The latter was composed of representatives of the following organizations: Ministry of Geology and Mineral Resources Conservation of the USSR, Vsecoyuznyy

Card 1/4

507/132-59-3-15/15

Chronicle. Acrial Electromagnetic Prospection in the USUR

nauchne-losicdovatel(skiy institut metodiki i tekhniki razvedki //ITR/ (All-Union Research Institute of New Methods
and Tochaigast in Prospecting), Institut machinovedeniya i
avtomatiki Akademii nauk Ukrainskoy SGR /IWA/ (Institute of
Lechani in Engine ring and Astomation of the AS Ukrainian
UR), Institut fisiki zemli Akademii nauk SUSR /IFZ/ (Institute of the Physics of the Marth of the AS USOR), and
Moskovskiy geole prazvedchnyy institut (Moscow Geological
and Prespecting Institute). As Scientific head of this
committee was appoint: Corresponding Member of the AS
USOR A.M. Fikhenov. The folicating scientists took part in
the development of the t.d.k.method: Corresponding Member of the
AS USOR E.F. Harabisyst (IMA AS USOR), L.(a. Fizwak (IMA
AS USOR), M.M. Saucent-Pergeyer (VIDA), Corresponding Member
of the As USOR A.F. Tikhenov (IFZ AS USOR), and V.I. Dmitriyer (IFA As USOR). During 1959, several industrial areas
of the Universal Healt, the Magnishar, Dzherkazgan, and the
Kola perinsula will be subject to prospecting and mapping
by the new method. The b.d.k.-equipment consists of the

Card 2/4

507/132-59-3-15/15

Chronicle. Asrial Electrona notic Prospecting in the USSR

ground of a spring appearatus. The ground apparatus has a various 12 . electrics will generates A.C. of up to 2 kw at 81 , 741, 978, act 3,960 system and focas it into the greaced able. The latter is tose 15 km in length and unables to sign, possible of an area as large as 300-350 so am. The abstract to take, the following units belong to the preact apparental ar elimestors wave transmitter to transmit wefores, signals, a radio station for the command temmunication, a premi-registering device, several recti-fiers, and a field power station of the ZhES-9-type. The acrial apparatus mounted on a MI-4-type helicopter consists of a measuring torion, on RUIU-JM-type radio station, and a power unit with a FO-50C-type transformer. The prospecting is carried out at a riving speed of 60 to 120 km/hr and at un altitude of 50 to 200 m. The scale range varies from 1 : 10,000 %; 1 : 50,000. A helicopter flying under favorable conditions on map a prospecting area as large as 300 sq km middin 2 to 3 seeks provided its flying speed is 90 km/rd, over while he haid once, and the scale of 1:: 25,000

Card 3/a

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549520017-7"

3(

SOV/132-59-8-7/18

AUTHORS:

Shirokov, A.S., and Zhuravlev, V.V.

TITLE:

Basic Problems of Perfecting and Developing Geo-

physical Equipment

PERIODICAL:

Razvedka i okhrana nedr. 1959. Nr 8. pp 27-32

(USSR)

ABSTRACT:

The author states the urgent necessity to modernize present, and to create new, geophysical equipment. Although this equipment was greatly developed since the last war, it is already obsolete and new devices and aggregates must be created. At present, different scientific research institutes and organizations are developing new equipment much too slowly, and plants are also lagging in its production. Measures have now been taken to increase the production of this equipment 2.4 times by 1965 over 1959. The author reviews the new equip-

ment to be created in the next years.

I-Seismographic exploration.

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The obsolete 26-channel seismic stations of SS-26-51D

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type will be replaced by more economical and highlyproductive 60-channel stations of SS-30/60 type and the portable SS-24P stations. These stations now being produced at the "Meftepribor" Plant. old stations will all be replaced in the next 2 years. A special attachment of the PPMZ-2 is also being produced for the magnetic recording of oscillations for 25 channels. The "Neftepribor" Plant is also producing an autonomic seismic station with an intermediate magnetic recording device of SSM-57 Equipment for a regulated directed receiving (RNP) of seismic oscillations developed by the Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti im. Gubkina (the Moscow Institute of the Petrochemical and Gas Industry imeni Gubkin) is now being delivered to industry. New universal seismic stations with photographic recording are now being introduced into industry. Apart from the production of SPM-16 and SPED-56 seismographic receivers

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now being produced, new low-frequency receivers of SPEN-1 type with 10 c frequency, and of NS-3 type with 3 c frequency will be produced in 1960. The VNIIGeofizika has developed a seismic station of MSS-58 type with a floating piezo-aggregate, which will permit seismographic exploratory research at The new exploding device SVM-1, of condenser type, will be produced in 1960. II. Gravimetric exploration. The SN-3 and GAK-3M gravimeters will be replaced by gravimeters of GAK-4M type with an average precision of 0.2 milligals. More precise gravimeters will be produced later. A new gravimeter-altimeter of GVP-1 type, which can determine the gravity force along with the altitude of observation points, will also be produced in 1960. The Zavod "Geologorazvedka" ("Geologorazvedka" Flant) renewed the production of gravitational variometers of the VG-1 type and of gravitational gradientometers of

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GRBM-2 type.

III. Magnetic exploration.

The Institut zemnogo magnetizma AN SSSR (the Institute of Terrestrial Magnetism of the AS USSR), and the OKB, constructed a new quartz magnetometer M-14 with the magnetic element suspended on quartz threads. It will replace the obsolete M-2 magnetometer. VITR developed models of a magnetometer working on the principle of nuclear resonance. At a precision of 1 or 2 gamma, the device needs no orientation, and its indications do not depend on the temperature. These magnetometers will be produced in 1960. The

OKB of the Ministry of Geology and Conservation of Mineral Resources of the USSR is preparing designs of a factory model of a portable magnetometer with a magnetic modulation counter and an electronic scheme on semi-conductors (M-17) based on the calculations of the Institut mashinovedeniya i avtoma-

tiki AN Ukrainskoy SSR (Institute of Mechanical

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Engineering and Automation of the AS Ukrainskaya To improve the accuracy of measurements of the ASGM-25 aerogeophysical station, its AEM-49 magnetometer was modernized, and a new ASG-45 magnetometer will soon be produced by the "Geologorazvedka" Plant. Construction design of a new T-aeromagnetometer AM-13 of high precision along with a magnetomodulating indicator is nearing completion. The Barnaul'skiy zavod geofizicheskoy apparatury (Barnaul Plant of Geophysical Equipment) is preparing the production of a field device called the "pronismeter Kalashnikova" (Kalashnikov Device for Measuring Penetrability) to determine the degree of magnetic penetrability of samples of rocks, based on an electrical scheme on semi-conducting triodes. Electrical Exploration. The electro-exploring stations ERS-23, ERS-16.5 and the station of telluric currents EPL-57, and the potentiometer EP-1, presently produced at plants

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of the Moskovskiy oblastnoy sovnarkhoz are obsolete, and the "Geologorazvedka" Plant is preparing the production of new electronic devices (electronic switch compensator ESK-1, computing compensator KSRM-I, and the electronic EAK-1 autocompensator developed by the Institute of Mechanical Engineering and Automation of the AS Ukrainskaya SSR. naul Plant of Geophysical Equipment is producing devices working on the method of correlation of gradients of the electrical potential of the "IZh" type ("Iskatel' zhil"-"Vein Prospector") for prospecting for vein ore bodies. For electrical exploration on alternating current, special equipment based on the induction method is now being developed (the amplitude-phase measuring equipment AFI-1 and the ANP-1 type with ungrounded loop). The VNIIGeofizika, the Institute of Terrestrial Magnetism of the AS USSR, and the OKE of the Ministry are developing equipment for magnetic-telluring shaping.

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V. Electrical Core-Sampling.
The Petroleum industry at present is using the AKS-L/51 and OKS-56 core sampling stations working with one-and three-core armored cable. Semi-automatic PKS-400 and PKS-750 stations are used mainly in smaller coal, ore and hydrogeological bore holes. Automatic AKS/L-51 AEKS-900 stations are now being introduced. A large number of devices for bore-holes of various diameter and temperature are being produced. Special miniature devices for radio-active core-sampling (the RARK device and others) are also being produced. The Tashkentskiy kubel'nyy zavod (Tashkent Cable Plant) mastered the production of cables for electrical core-sampling (one-three- and multi-core armored cables, temperature resisting). The production of cable does not meet the needs of industry, and

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SOV/132-59-8-7/18

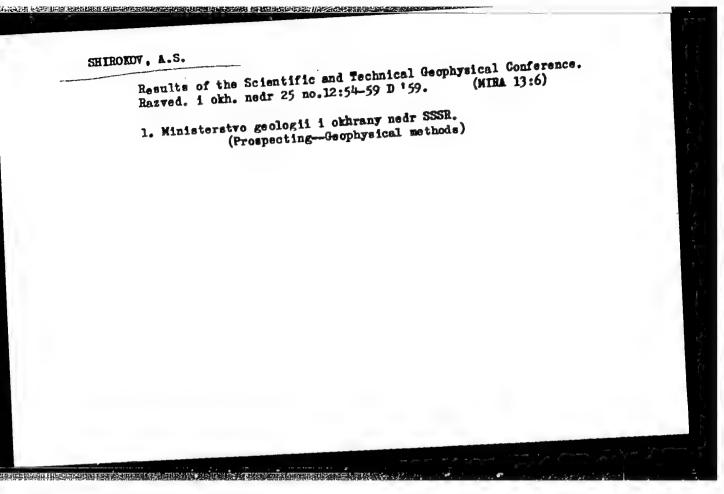
Basic Problems of Perfecting and Developing Geophysical Equipment

hampers the development of geophysical operations.

ASSOCIATION:

Ministerstvo geologii i okhrany nedr SSSR (Ministry of Geology and Conservation of Mineral Resources)

Card 8/8



FEDYNSKIY, V.V., doktor fiziko-matem. nauk, red.; SHIROKOV, A.S., red.; KO-VALEVA, A.A., red.; GRATSIANOVA, O.F., nauchn. red.; BORISOV, A.A., nauchn. red.; FEDYUK, V.I., nauchn. red.; KOTINAREVSKIY, B.V., nauchn. red.; POMERANTSEVA, I.V., nauchn. red.; MOZZHENKO, A.K., nauchn. red.; LOZINSKAYA, A.M., nauchn. red.; SHNEYERSON, M.B., nauchn. red.; BOGDANOV, A.Sh., nauchn. red.; MIKITSKIY, V.Ye., nauchn. red.; KUDYMOV, B.Ya., nauchn. red.; PETROV, L.V., nauchn. red.; KOMA-ROV, .S.G, nauchn. red.; CORBUNOV, G.V.; nauchn. red.; DUNCHENKO, I.A., nauchn. red.; FEL'DMAN, I.I., nauchn. red.; PCHETUN, D.Ye., nauchn. red.; BEKHAN, Yu.K., ved. red.; VORONOVA, V.V., tekhn. red.

[Status and prospects for developing geophysical methods for mineral prospecting] Sostolanie i perspektivy razvitila geofizicheskikh metodov poiskov i razvedki poleznykh iskopasmykh; materialy. Pod red. V.V. Fedynskogo. Poskva, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1961. 623 p.

1. Nauchno-tekhnicheskaya geofizicheskaya konferentsiya, Moscow, 1959. 2. Ministerstvo geologii i okhrany nedr SSSI (for Fedynskiy, Petrov).

(Prospecting-Geophysical methods)

CIA-RDP86-00513R001549520017-7" APPROVED FOR RELEASE: 08/23/2000

Development of serial electric surveying in the U.S.S.R.

Razved. i okh. nedr 27 no.5:61-63 My '61. (MIRA 14:9)

1. Hinisterstvo geologii i okhrany nedr SSSR. (Auronautics in surveying)

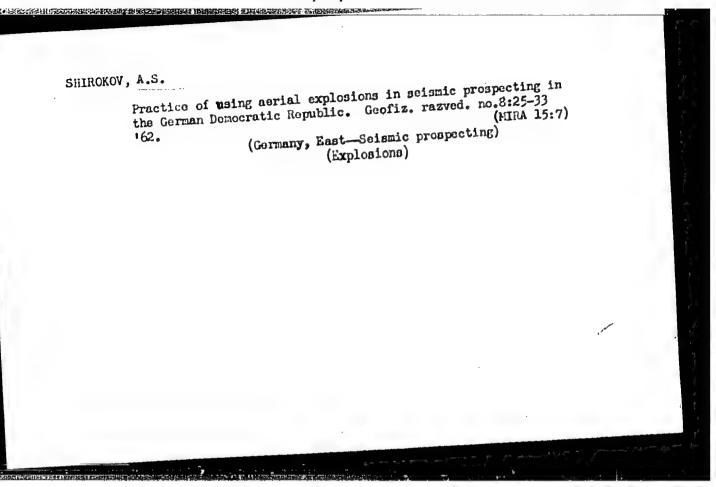
SHIROKOV, A.S.

Geophysical mineral prospecting methods. Razved. i okh. nedr 27 no.4:27-34 Ap '61. (MIRA 14:5)

1. Ministerstvo geologii i okhrany nedr SSSR.
(Prospecting—Geophysical methods)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549520017-7



SHIROKOV, A.S.; YEVTEYEV, M.C.

In the session of the Council of Geological Testimony on the geophysics in mining. Sov.geol. 5 no.3:163-164 Mr '62. (MIRA 15:4)

1. Ministerstvo geologii i okhrany nedr SSSR. (Mining geology) (Prospecting—Geophysical methods)

Methods for the combined geophysical study of oil- and gas-bearing structures in plating provinces. Sovegeol. 5 no.11:15-35 (MIRA 15:12)

N '62.

1. Vsesoyuznyy nauchno-issledovatel skiy institut geofizicheskikh metodov razvedki. (Prospecting—Geophysical methods)

SHIROKOV, A.S.

Present state of gephysical methods used in prospecting and exploiting deposits of hard minerals. Uch. zap. SAIGIMSa (MIRA 17:1) no.8:5-14 162.

1. Ministerstvo geologii i okhrany nedr SSSR.

SHIROKOV, A.S.

Results of the fifth All-Union Scientific and Technical Geophysical Conference. Razved. i okh. nedr 30 no.2:63-64, F 64.

(MIRA 17:8)

1. Gosudarstvennyy geologicheskiy komitet SSSR.

SEROV, N.V.; SHIROKOV, A.V., veterinarnyy vrach

How we prevented the spreading of foot-and-mouth disease. Veterinaria 40 no.3:26 Mr '63. (MIRA 17:1)

l. Veterinarnyy otdel Kostromskogo oblastnogo upravleniya proizvodstva i zagotovok sel'skokhozyaystvennykh produktov.

2. Nachal'nik veterinarnogo otdela Komstromskogo oblastnogo upravleniya proizvodstva i zagotovok sel'skokhozyaystvennykh produktov (for Serov).

CHARLIN, A.I., inzh.; SHIROKOV, A.V.

Semi-automatic machine for joining the primer with the fuse. Bezop.
truda v prom. 4 no.6:34-35 Je *60.
(Blasting—Equipment and supplies)

(Blasting—Equipment and supplies)

Gas cyanidation of gears made of 18KhGT and 30 KhGT steels. Stroi.
i dor.mash. 7 no.2:36-37 F '62. (MEA 15:5)
(Gearing) (Case hardening)

ACC NR: AP7004909

(N)

SOURCE CODE: UR/0109/66/011/012/2248/2248

AUTHOR: Krynetskiy, B. B.; Kuz'min, G. P.; Shirokov, A. V.

ORG: none

TITLE: Cooled circulator for 3 cm wavelength

SOURCE: Radiotekhnika i elektronika, v. 11, no. 12, 1966, 2248-2248

TOPIC TAGS: microwave component, ferrite

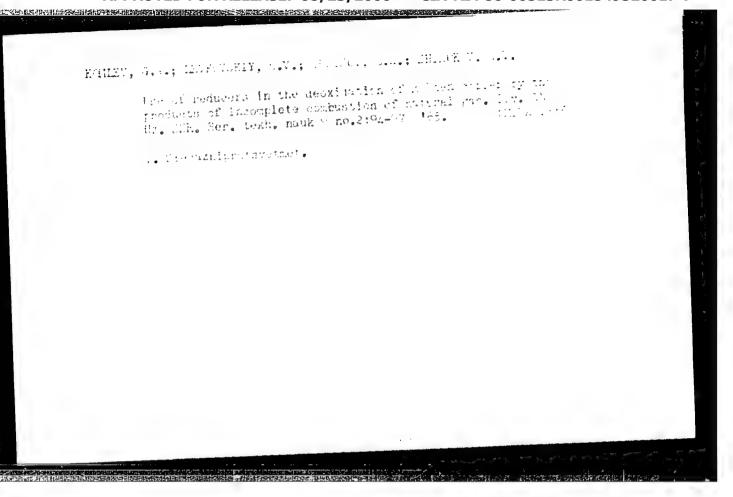
ABSTRACT:

A Y-type circulator which operates with a quantum paramagnetic amplifier of 3 cm wave range is described. A garnet-structured calcium-vanadium ferrite was used as the active material. The ferrite has the following characteristics: the width of the ferromagnetic resonance line at temperatures of 300, 77, and 4.2K are 150, 280, and 340 gauss, respectively. A disk-shaped ferrite 8.25 mm in diameter inserted into a teflon washer with an outside diameter of 20 mm was installed at the center of the circulator. Operation of the circulator is satisfactory at temperatures ranging from 300 to 4.2K. At the temperature of liquid helium, maximum decoupling was 46 db, and direct losses amounted to approximately 0.8db. The bandwidth of the circulator at 20-db decoupling [GS] was 170 me. Orig. art. has: 1 figure.

SUB CODE: 09/ SUBM DATE: 23May66/ ORIG REF: 001/ OTH REF: 001/ ATD PRESS: 5115 621.375 UDC: Card

KOMLEV, G.A.; LEVKOVSKIY, O.V.; SHIRCKOV, A.V.

Reduction of liquid oxidized copper by natural gas. TSvet. met.
(MIRA 18:7)
37 no.9:13-14 S '64.



ACC NR: AP7004909

(N)

SOURCE CODE: UR/0109/66/011/012/2248/2248

AUTHOR: Krynetskiy, B. B.; Kuz'min, G. P.; Shirokov, A. V.

ORG: none

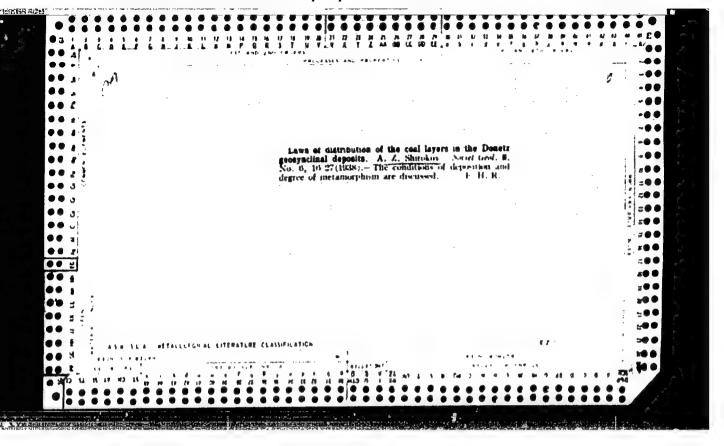
TITLE: Cooled circulator for 3 cm wavelength

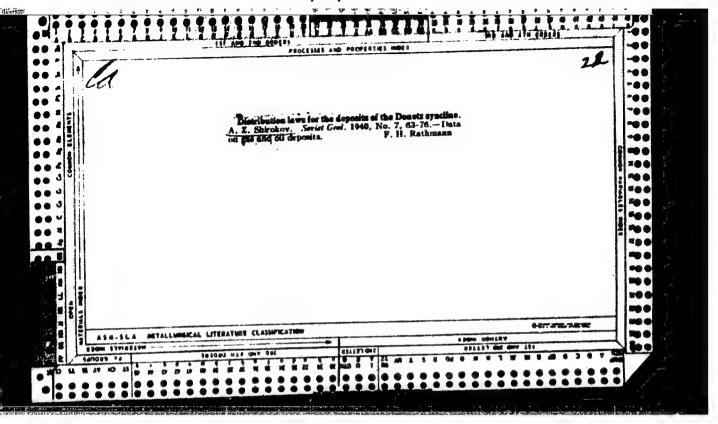
SOURCE: Radiotekhnika i elektronika, v. 11, no. 12, 1966, 2248-2248

TOPIC TAGS: microwave component, ferrite

ABSTRACT:
A Y-type circulator which operates with a quantum paramagnetic amplifier of
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4.2K are 150, 280, and 340 gauss, respectively. A disk-shaped ferrite 8.25 mm
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of liquid helium, maximum decoupling was 46 db, and direct losses amounted
to approximately 0.8db. The bandwidth of the circulator at 20-db decoupling
was 170 me. Orig. art. has: 1 figure.

SUB CODE: 09/ SUBM DATE: 23May66/ ORIG REF: 001/ OTH REF: 001/ ATD PRESS: 5115
Card 1/1 UDC: 621.375





Coal measures in geosynclines and platforms. Truly Inst.geol.

Coal measures in geosynclines and platforms. Truly Inst.geol.

(MLRA 9:11)

(Coal geology)

"Relief and Structure of the Pre-Sambrian Base of the Bussian Platform," Priroda, No. 4, 1948; "Reply to A. I. Kravtsov and V. V. Vladimirskiy on the Methane Content of the Coal Stratz of the Donets Carboniferous," Ugol', No. 5, 1949.

Shirotov, 4. Z. - "Compass of the metamorphism of goal in the Doneth B.ein," I.ve tips Doneth representative or problem of the metamorphism of goal in the Doneth B.ein," I.ve tips Doneth representative or problem of the metamorphism of goal in the Doneth B.ein," I.ve tips Doneth B.ein," I.ve tip

SHIROKOV, A.Z.; TSTRINA, T.S.

Spore and pollen analysis of lignites of the Unieper basin. Biul.

MOIP. Otd.geol. 29 no.6:81-92 N-D '54. (MIRA 8:2)

(Dnieper Valley-Pollen, Fossil)(Unieper Valley-Spores (Botany), Fossil) (Unieper Valley-Lignite)

1, A.Z.

USSR/Geology - Geochemistry

Card 1/1 Pub. 22 - 29/45

Authors Shirokov, A. Z.

Title : Laws governing the distribution of sulfurous compounds among Donbas coal

Periodical : Dok. AN SSSR 103/2, 281-282, Jul 11, 1955

Abstract : Quantitative rules were established governing the spatial distribution of sulfur containing compounds among the coal deposits of DONBAS. Three

USSR references: (1940-1948). Table; diagrams.

Institution: Dnepropetrovsk Mining Inst. im. Artema

Presented by: Academician N. M. Strakhov, May 19, 1955

15-57-8-11358

Referativnyy zhurnal, Geologiya, 1957, Nr 8, Translation from:

p 178 (USSR)

AUTHOR:

Shirokov, A. Z.

TITLE:

The Lower Carboniferous of the Northwestern Continuation of the Donbass and its Coal Potential (Nizhniy karbon severo-zapadnogo prodolzheniya Donbassa i yego ugle-

nosnost')

PERIODICAL:

Tr. Labor. geol. uglya AN SSSR, 1956, Nr 6, pp 319-326

ABSTRACT:

Coal deposits are traced in the structural fissures to the northwest, northeast, and southeast from the folded Donbass. The lower Carboniferous of the northwestern continuation of the Donbass has coal deposits; Tournaisian, Visean, and Namurian formations are dis-tin uished here. The Tournaisian and Visean are divided into three series: C¹1 (A), C²2 (B), and C³1 (C). The Namurian is divided in series C⁴1 and C⁵1.

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The Lower Carboniferous of the Northwestern Continuation (Cont.)

The second section of the second seco

From three to 17 seams of coal of workable thickness are associated with the upper part of the Visean (C1Vgb). The total number of coal seams is as high as 70. The number of workable seams decreases westward from the meridian of Novomoskovsk and eastward from decreases. The coal of the lower Carboniferous is similar to the (20 to 35 percent) of macrospores. In the eastern areas, the coal is of D quality and may be used for coking; in the western areas, producing fuel. Westward of the Petrikov and Tsarichanskiy rayony Card 2/2

Card 2/2

S. Ye. Berboloz

SHI BOKOV. A.Z.; ALYMOV, D.F.

Boulder-pebble deposits of the southern border of the Dnieper-Donets Depression. Dokl. AN SSSR 111 no.3:685-686 W '56. (MLRA 10:2)

1. Dnepropetrovskiy gornyy institut. Predstavleno akademikom N.M. Strakhovym. (Kovo-Moskovsk--Pebbles)

SHIROKOV, Aleksandr Zosimovich; SIAVOROSOV, A.Kh., otvetstvennyy red.;
CHANTEEVA, G.M., tekhn.red.

[The Great Donets Basin] Bol'shoi Donbass. Moskva, Ugletekhizdat, 1957. 39 p.

(Donets Basin--Coal geology)

ALYMOV, D.F.; DYSSA, F.W.; LEYVIKOV, M.Kh.; POGODINA, V.I.; MESTERENKO, P.G.; SHIROKOV, A.Z.

Conformity of lower Carboniferous coal beds in the western Donets
(MIRA 11:5)

Basin. Izv. DOI 29:3-18 157.
(Donets Basin—Coal geology)

AGULOV, Aleksey Pavlovich, kand.geol.-mineral.nauk, nauchnyy sotrudnik;

ALEKSEYEV, Aleksey Mikhaylovich, dotsent, nauchnyy sotrudnik;

BARYSH, Mariya Yakovlevna, inzh.-geolog, nauchnyy sotrudnik;

DOMORATSKIY, Nikolay Aleksandrovich, dotsent, nauchnyy sotrudnik;

LEVIN. Semen Timofeyevich, dotsent, nauchnyy sotrudnik; NESTERENKO,

Petr Grigor'yevich, prof., nauchnyy sotrudnik; SHIROKOV, Aleksandr

Zosimovich, prof., nauchnyy sotrudnik; SHPAKHLER, Abran Grigor'yevich,

starshiy nauchnyy sotrudnik; OVCHAROVA, Z.G., red.izd-va; ROZENTSVEYG,

Ye.N., tekhn.red.

[Atlas of Donets Basin coals] Atlas uglei Dneprovskogo basseina. Kiev, Izd-vo Akad.nauk USSR, 1960. 44 p. (MIRA 13:12)

1. Dnepropetrovskiy ordena Trudovogo Krasnogo Znameni gornyy institut im. Artema (for all, except Ovcharova, Rozentsveyg). 2. Chlenkorrespondent AN USSR (for Shirokov). (Donets Basin--Ccal geology)

SHIROKOV, A.Z., [Shyrokov, O.Z.]; ALYMOV, D.F.

Tectorics and volcanism of the western Donets Basin. Geol. zhur. 23 no.5:3-14 '63. (MIRA 16:12)

1. Dnepropetrovskiy gornyy institut.

SHIROKOV, A.Z.; SAVCHUK, S.V.; STRUYEV, M.I.

Coals of the western Donets Basin. Izv. vys. ucheb. zav.; geol. i razv. 7 no.2:73-82 F'64. (MIRA 17:2)

1. Dnepropetrovskiy gornyy institut.

BERDYUKOVA, E.D.; INDSOVA, K.I.; ISFCHENKO, A.M.[deceased];
KOLOMEYTSEVA, A.K.; LIFSHITS, M.M.; FAZUKHINA, D.K.;
SHARAYEVA, L.N.; CHIRGKOV, A.Z.; VAL'TS, I.E., red.;
STRUYEV, M.I., red.; NIKOLAYEVA, I.N., red.

[Atlas of the Lower Carboniferous coals of the Donets Basin] Atlas uglei nizhnego karbona Donetskogo basseina. [By] M.D. Berdiukova i dr. Moskva, Nauka, 1964. 101 p. (MIRA 18:4)

SHIROKOV, A.Z.; SEDENKO, S.M.

Germanium in the main types of sedimentary rocks. Lit. i pol. iskop. no.2:167-172 Mr-Ap '65. (MIRA 18:6)

1. Otdeleniye gornorudnykh problem AN UkrSSR, Dhepropetrovsk.

SHIROKOV, A.Z. [Shyrokov, O.Z.]; LAZEBNIK, P.V. [Lazebnyk, P.V.];
SEDENKO, S.M.

One aspect of the problem of the germanium potential of coal.

Geol. zhur. 24 no.5:100-102 '64. (MIRA 17:12)

1. Otdeleniye gornorudnykh problem Instituta elektrotekhniki AN UkrSSR.

L 1301-60 EWT(d)/EWT(1)/EWT(m)/EWP(w)/T-2/EWP(1) IJF(c) WW/EM/BG ACCESSION NR: AP5022453 UR/0209/65/000/009/0019/0023

AUTHORS: Grukhin, N. (Engineer, Captain); Karpenko, V. (Engineer, Major); Shirokov, B. (Engineer, Lieutenant Colonel)

TITLE: In bumpy air conditions

SOURCE: Aviatsiya i kosmonavtika, no. 9, 1965, 19-23

TOPIC TAGS: aircraft stress, aircraft control, aircraft control system, atmospheric turbulence, automatic pilot, aircraft stability, gust load

ABSTRACT: The control problems involved in flying through bumpy air were studied to determine the best control system. Structural overloading (caused by the wind) and maneuvering stress components must be minimized, and angles of attack exceeding the critical one must be avoided. Manual control causes up to 50% more overloading situations than autopilot control, since the plane's moment of inertia prevents the pilot from rapidly changing the pitch angle. An autopilot can react to pitch angle, angular acceleration, and altitude or may be insensitive to altitude. Small altitude changes produce insignificant control signals, and large altitude changes result in control with increased maneuvering overloading. Thus, in all conditions (except for gale gusts which must be studied further) the

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ACCESSION NR: AP5022453

autopilot without altitude sensitivity provides the best control in bumpy air. The autopilot does not eliminate overloading. Tests conducted on overloading stabilization systems indicated that these were ineffective and that improvements must be sought by developing a method for utilizing the changes in the lift force. Orig. art. has: 5 figures and 1 table.

ASSOCIATION: none

SUBMITTED: 00

ENGL: 00

SUB CODE: AC

NO REF SOV: OGO

OTHER: 000

Card 2/2